System Product Guide
2002-2003

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EPSON®

System Product Guide
2002-2003

POS TERMINAL **MR**
POS TERMINAL **SR**
INTELLIGENT REGISTER **IR**
PRINTERS **TM SERIES**
CUSTOMER DISPLAYS **DM-D SERIES**

The Best Hardware Solutions For Your Open System

Innovation For The Customer

Since its establishment, EPSON has continued to strive to define new standards of performance and operation ease.
That's the EPSON Solution Initiative™. Our aim is total customer satisfaction.
To achieve this, we look at the task at hand, and combine our extensive database and technical expertise with our considerable experience to deliver the optimum solution. Naturally, we also take advantage of our global network to keep abreast of the latest trends worldwide.
By doing this, we are always able to provide value-added products that respond precisely to changing needs. Innovation – it's all part of EPSON's customer first approach.

EPSON Roots

EPSON's first major product was a digital watch featuring micromechatronics and electronic technology. This was followed by a printing timer used as the official timekeeper at the 1964 Olympics. Four years later there came the EP-101, the world's first electronic calculator mini printer. This ultra-compact printer was a huge hit worldwide and heralded the start of EPSON's multi-faceted business expansion, giving rise to many other products or "sons". Actually, the name EPSON is a combination of the EP from the EP-101 and SON. EPSON. A name associated with cutting-edge, high quality products around the world.

POS Terminal MR Series 4
POS Terminal SR Series 6
Intelligent Registers IR Series 8
Printers TM Series 10
Customer Displays DM-D Series 30

Co-Existence

Protecting The Environment

JQA-E-80015

EPSON's efforts to protect the environment began more than ten years ago with the declaration that it would stop using CFCs. Other measures include the reduction of CO_2 emissions at factories and facilities, the reduction of waste material, and recycling. This focus on the environment has resulted in many EPSON factories acquiring ISO14001 certification.

Quality

Satisfaction Guaranteed

JMI-0028

Outstanding quality is something all EPSON products share. Thanks to this, EPSON was the first mini printer manufacturer to acquire accreditation for ISO9001, the strictest of the ISO9000 international quality standards. Approved by the Japan Quality Assurance Organization, ISO9001 compliance is just another example of the steps EPSON takes to assure total product satisfaction.

EPSON Takes The Initiative For Your Solution.

Setting the standards by providing revolutionary products for a wide range of applications -- in other words, the EPSON Solution Initiative™. The facts speak for themselves. In the area of hardware, EPSON has continued to provide countless solutions, such as the TM-J8000, the first inkjet printer for POS applications. With regards to software, EPSON took the initiative by introducing ESC/POS®, a proprietary POS printer command system including patented commands and enabling versatile POS system construction with high scalability. Compatible with all types of EPSON POS printers and displays, this proprietary control system also offers the flexibility to easily make future upgrades. Its popularity is worldwide. Another world first was OLE POS (OPOS) OCX driver software for application software development support in Windows®95, Windows NT®, Windows®98, Windows®2000 and Windows®XP environments. For software development support in Java™ environments, there's JavaPOS™. These and other innovations are why EPSON is a leader in its field.
It's all a matter of taking the initiative.

Satisfying Needs

Whenever there's a need, Epson is there with just the right solution. The TM Series lineup offers models to print everything from receipts, sales slips and journals to tickets, checks and invoices. And for retail and hospitality businesses, MR / SR / IR Series feature an easy-to-use touch panel.

Over 30 Years Of Satisfaction

For over a quarter of a century EPSON has been the world's top manufacturer of printers. During this time, we have produced an incredible 200 million of our famous mini printers. At retail outlets, in hotels, hospitals, car rental centers, banks – wherever you look, you'll find an EPSON printer contributing to improved productivity and efficiency.

MR-800 Series POS Terminal

The New Epson MR Modular POS System

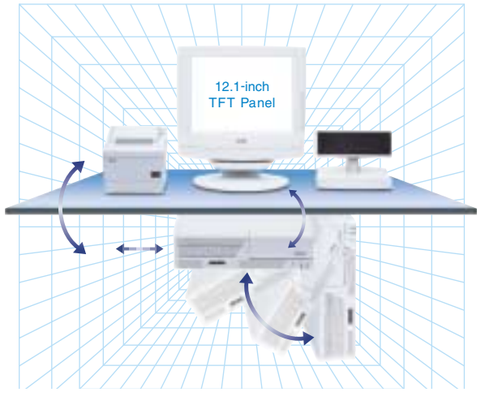
NEW

A Powerful Checkout Partner

Epson presents the MR, its powerful new Modular POS system for retailers who want to stay ahead. Backed up by Epson's powerful support network, the MR is a reliable partner that provides the compactness and versatility that you need to serve your customers quickly and efficiently – and increase profits. The modular design offers a variety of layout possibilities and configurations enabling you to arrange the MR to fit precisely into your store and your system. If you want peace of mind, make Epson's MR your partner for success.

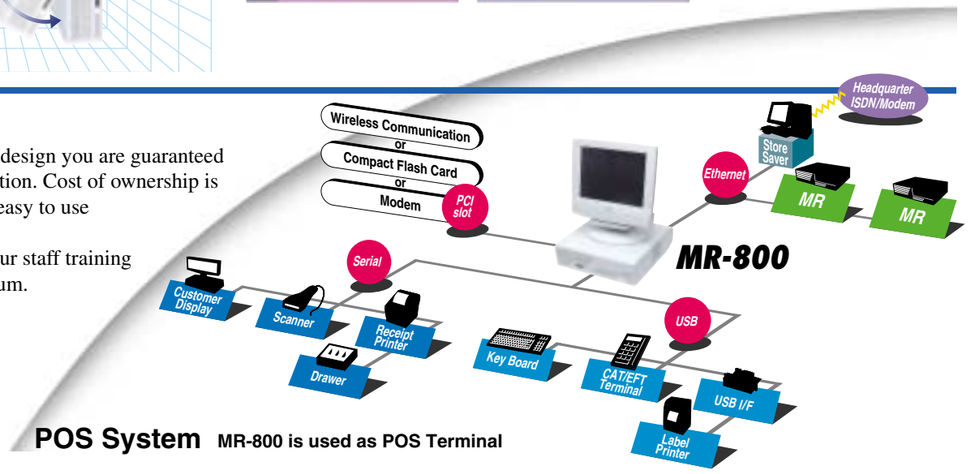
Compact and Modular Design

The MR's elegant, modular design in a small footprint, means that it can be arranged to fit neatly on to or under any counter. The main PC that can be arranged vertically or horizontally, giving you more options for under the counter installation.



Low Cost of Ownership

Thanks to the MR's robust design you are guaranteed long and trouble free operation. Cost of ownership is further reduced, since it is easy to use and reduces training time. The MR helps you keep your staff training costs to an absolute minimum.



POS System MR-800 is used as POS Terminal

Increased Efficiency

With a powerful Celeron™ CPU increasing the speed of every transaction, the MR ensures you will not keep your customers waiting. The easy-to-view 12.1" TFT monitor and optional touch panel allows transactions to be completed quickly and easily. Tailored exactly to meet your needs, this durable, worry-free POS terminal from Epson can increase the efficiency of your business, and lead to satisfied customers and higher profits.

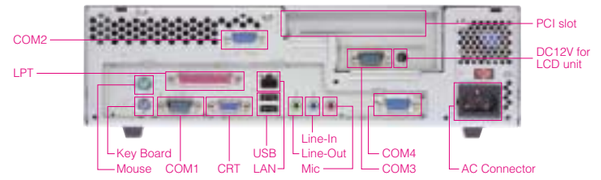
MSR Unit

CD-ROM Drive

12.1-inch TFT Panel

Flexibility

The MR's compact design still delivers outstanding expandability. One parallel, four USB and four serial ports mean that it can be connected freely to as many devices as you need to run your business.
Options such as an MSR, touch panel and CD-ROM unit give you the power to configure it to your precise needs.
And by selecting a printer from Epson's acclaimed TM or DM-D series, the MR lets you create the ideal POS system for your business.



SPECIFICATIONS

1.BASE Unit PC function

CPU		Celeron™ 733 MHz or more
Memory		168 pin DIMM / SDRAM x 2 slots (512MB Max)
Storage		FDD (3.5" slim FDD) x 1, 1 HDD (3.5",10GB or more)
Slots		PCI x 1
I / O Ports		Ethernet x 1, 10 Base-T / 100 BaseTX (RJ-45 with access LED) Serial x 4 (D-sub 9-pin male), *COM3 / COM4 can output +5V or +12V by jumper setting Parallel x 1 (D-sub 25-pin female) USB port x 4 (2 x Rear, 2 x Front), Support Legacy USB Keyboard / Mouse K/B & Mouse port x 1 PS / 2-type (6-pin mini-DIN) CRT x 1 (D-sub 15-pin female) Audio (AC97 2.1 Audio Codec, MIC Jack, Line-In Jack, Line-Out Jack, DC 12V / 3A for LCD monitor) DC Output (MIC Jack, Line-In Jack, Line-Out Jack, DC 12V / 3A for LCD monitor)
Video		Integrated 2D / 3D Graphic Accelerators controller
Speaker		Built-in monaural speaker (without volume), *Not support Audio output
OS Supported		MS-DOS® 6.2, Windows® 98, Windows® 2000, Windows® XP, Windows NT® Workstation 4.0
BIOS		Award BIOS
Option Unit	Optical drive	CD-ROM
Size		315 (W) x 365 (D) (280 without rear cover) x 88 (H) mm
Safety, EMC		CE marking: EN55022 class A, EN55024, EN60950, UL60950, FCC etc.

2. Input unit

LCD	Size, Type	12.1" TFT 800 x 600 dots
	Color	262144 colors
	Brightness	150 cd / m^2 (w/TP:100cd / m^2)
	Lamp Number	1 CCFL
	Lamp Life	20,000 hrs min.
Connections	Video Input	Analog RGB
Power		DC 12V (From BASE Unit)
Dimension		320(W) x 340(H) x 200(D) mm
Option	MSR unit	ISO 1,2 &3 track
	Touch panel	Resistive touch panel

SR-600 Series POS Terminal

The Epson SR-600 Series offers a wide range of value-added solutions to businesses in the retail, and hospitality industries.

Quality and Performance at A Touch

The new Epson SR-600 Series provides establishments with the competitive advantage they need to stay ahead.
Compact and unobtrusive, this outstanding new product offers highly efficient, powerful solutions to any business that requires a low-cost, easy-to-operate POS terminal.
Blending stylishly with any retail environment, the terminal's low profile means that communications with customers are unhindered.
A wide range of expansion possibilities and peripherals ensures that the precise needs of users are met.
Long established leaders in the POS field, Epson products combine superior design with all the latest technological developments. Why settle for anything less?

Increased Efficiency

A powerful Celeron™ CPU increases operating speed by processing data quickly, reducing customer waiting time.
Training time is kept to a minimum thanks to the large easy-to-operate LCD with touch panel.

Selectable Configuration

A wide range of POS peripherals enables users to tailor a system to meet their needs. Alongside the LCD display, users can select from a magnetic stripe reader (MSR), a customer display, a CD-ROM, CompactFlash™, and one of Epson's range of industry-leading POS printers.

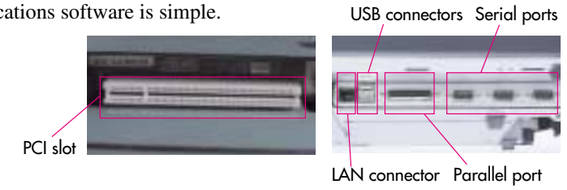
MSR Unit

Customer Display

CD-ROM Drive

Expandability

A PCI slot, three serial ports, a parallel port and two USB enable the system to be expanded, while for customers with large systems there is 100/ 10Base-T Ethernet capability.
Data backup and installation/saving of applications software is simple.



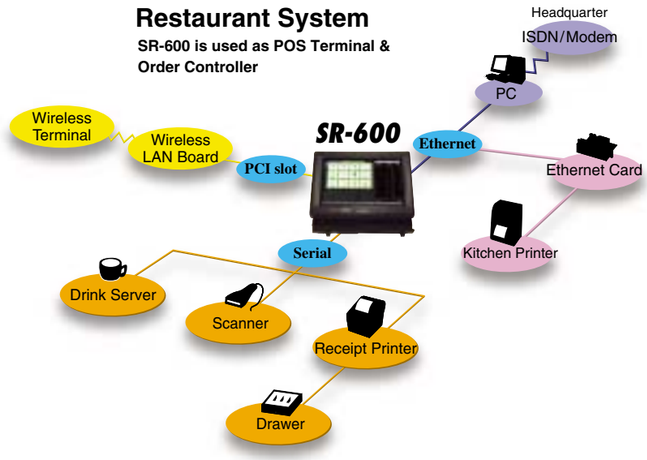
Not only functional, the sleek lines and refined good looks of the SR-600 Series are sure to enhance the appearance of any shop counter. This modernistic design will blend perfectly with the decor of even the most up-market specialty store or the highest class of hotels.

Boutiques and Up-Market Retail Establishments

Any boutique understands the importance of superior design. And the classy Epson SR-600 Series will not look out of place in even the most up-market of establishments.
Quiet, compact, and with a low profile, its sleek lines and stylish appearance mean this POS terminal will add to, rather than detract from, the ambience of any store.

Restaurants, Bars and Fast Food Stores

The food industry requires POS terminals that are efficient, no-nonsense and durable - and that's just what the SR-600 Series is. Easily visible under subdued or bright lighting, the LCD touch panel is simple for part-time or inexperienced staff to operate, reducing training time and the possibility of errors. And accidental spills of water and sauce can be wiped off in an instant.



Flexible Installation

Neat and compact, the SR-600 Series can be sited on the counter, discretely concealed from customers, or even on a high shelf.
With a footprint of 306 by 303 mm and a height of 278 mm at its highest and 225 mm at its lowest angle, the terminal keeps the counter uncluttered and allows unimpeded communication with customers.
Designed to withstand the rigors of even the toughest fast food restaurant or eatery, the heat-resistant SR-600 Series can withstand accidental splashes and spills of water, mayonnaise or ketchup.
Use the SR-600 Series to create the retail environment that's right for your customers.

Reduced Cost of Ownership

Designed to be compatible with the latest PC architecture and industry standards (OPOS), the SR-600 Series is designed to keep your costs to a minimum.
Service and maintenance fees are reduced thanks to the lift-up main unit case that makes access to the CPU, HDD and memory easy.
The LCD unit is also simple to remove and attach.
Most upgrades and simple repairs can be carried out by the user, reducing the need to call service personnel.

SPECIFICATIONS

CPU			Celeron™ 366 / 566 MHz
Memory			168-pin DIMM slots x 2 (Max. 512 MB)
I / O Ports			Ethernet x 1 10 Base-T / 100 BaseTX, "Wake On LAN" support SERIAL x 3 (9-pin D-sub male), +5 V to pin 1 of COM1 or COM2 Parallel x 1 (D-sub 25-pin female) USB port x 2 K/B & Mouse port x 1 PS / 2-type (6-pin mini-DIN) CRT x 1 (D-sub 15-pin female) (Factory option on the drawer board) Cash Drawer x2 (for two drives) (Factory option with CRT)
Storage			FDD (1.44/3.5" External Option), 1 HDD (2.5" IDE interface / Ultra DMA / 33)*1 CD-ROM Drive (24 x speed slim drive / Alternative Option)*1, CompactFlash™ Card Slot (Alternative Option)*1
Slot			PCI x 1
MSR			ISO Track 1, 2, 3 (Option)
Size			Base unit ····· 306 (W) x 303 (D) x 278 (H)mm <12.0" x 11.9" x 10.9"> (at highest angle) (indluding rubber feet, excluding LCD clamp)
Mass			Approx. 8.6 kg (including CPU, HDD, DIMM, TFT LCD UNIT)
Safety Standards	for North America		EMI ····· FCC class A Safety standard ····· UL1950, CSA C22.2 No.950
	for Europe		CE marking / EMC ····· EN55022 class A, EN50082-1, IEC801-2, IEC801-3, IEC801-4, EN61000-3-2, EN61000-3-3 Safety ····· EN60950
	for Japan		EMC ····· VCCI class A, Harmonic current control guideline of Japan, JEIDA52
Environment	Temperature		Operating ····· 5˚ to 35˚C Storage ····· -10˚ to 50˚C
	Humidity		Operating ····· 30 to 80 % RH (no condensation) Storage ····· 30 to 85 % RH (no condensation)
OS Supported			MS-DOS® 6.2, Windows® 98, Windows® 2000, Windows®XP, Windows NT® Workstation 4.0
LCD With Touch Panel			12.1-inch color TFT (800 x 600 dots, with resistive-film touch panel)
Customer Display			2 x 20 char. Type
Others			Front key lock , Backup battery

*1 Bay Configuration

Internal Bay	Front Bay
HDD or CF	CF or CD-ROM

CF: CompactFlash™ Card Slot

IR-310 Series *Intelligent Register*

Fast Versatile Printing & Easy Paper Loading

It's All Here!

The EPSON IR-310 series is the business partner you've been looking for. You get a powerful CPU for fast communication. A large touch panel for easy operation.
And a seven-position keylock and a lock on the front and back covers to prevent unauthorized operation and access to valuable data. Exceptional flexibility is also yours with a wide range of options enabling customization to precisely meet your needs.
What's more, the EPSON IR is network ready and boasts a truly open architecture for the expandability that growing businesses demand. The other good news is a compact, elegant design that complements any modern interior decor.
All this and more from a single, all-round unit - the EPSON IR.

GOOD DESIGN AWARD 1998

Established by Japan's Ministry of International Trade and Industry (MITI) in 1957, the Good Design Award is the most coveted design accolade in Japan.
The EPSON IR received this prestigious award in the Office and Stores division for its contribution to the convenience and needs of users.

OLE POS

Outstanding Flexibility

Creating the exact EPSON IR configuration you need is easy.
Choose between thermal and dot matrix printing.
For data input, choose between a 12.1" (800 x 600 dot display) or 10.4" (800 x 600 dot display) touch panel, or a keyboard.

Fast, Flexible Printing & Easy Paper Loading

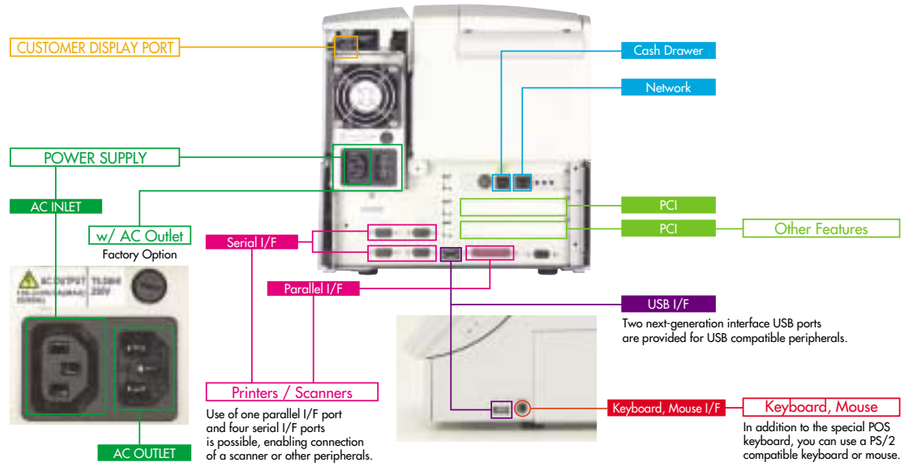
With the IR, you get a choice between one hybrid and two receipt printers. The hybrid printer lets you enjoy slip and thermal receipt output.
The one station thermal receipt printer offers convenient drop-in paper loading.
And the one station impact dot matrix printer enables use of regular roll paper or pressure-sensitive roll paper for printing one original and one copy. It also features a take-up device that lets you use two-ply paper to provide customers with journal printouts.
Whichever model you choose, output from these compact units is extremely fast, a vital feature for high volume tasks.
All three printers come with an Automatic Status Back function and autocutter .

One Station Impact Dot Matrix Printer

Hybrid Printer (Slip & Thermal Receipt)

One Station Thermal Printer

Multiple Interfaces For Exceptional Expandability



Extensive Range of Options

A wide range of options are available for customizing your EPSON IR system.
These include a 24X speed CD-ROM drive, an MSR unit, a 28-key keyboard unit, and a selection of customer displays. You can also add a printer tray to enable the use of other EPSON TM Series printers.

CD-ROM Drive

MSR Unit

28-Key Keyboard Unit with MSR Unit (MSR connectable)

Printer Tray for EPSON TM Series Printer

SPECIFICATIONS

CPU		Celeron™ 433 / 733 MHz
Memory		2 DIMM slots (256 MB max.)
Storage		FDD (1.44/3.5" standard), 1 HDD (3.5" 25.4 mm <1.0"> max. high) or 2 HDD (2.5" 9.5 mm <0.4"> max. high) can be installed
		CompactFlash™ card slot can be installed
Slots		PCI x 2
I/O		SERIAL x 6 (Internal x 2, External x 4)
		w/5V & 12V power for external by jumper switches (Internal two for Printer / Customer display and Touch panel)
		K/B & Mouse port w/PS/2 type (1 connector located on right side)
		24V Drawer port x 1
		Parallel x 1 (does not support OCIA)
		USB port x 2 (1 ch located on rear panel, 1 ch located on right side)
		Ethernet x 1 (10 BASE-T / 100 BASE-TX), wake on LAN support
Video		CHIPS 69000, SDRAM 2 MB
Others		Keylock: 7 positions
		Power connector: For External TM printers (TM-H6000, T88, U200, U300, U325 series)
		Power switch: Soft switch on front for power off by software, main switch on right side
		Power supply: Built-in, 100-240V w/auto switch, 280VA, AC Outlet (100 - 240V, AC 3A, 50/60Hz)
BIOS		APM / Plug & Play / DMI
OS Supported		MS-DOS® 6.2, Windows® 98, Windows® 2000, Windows®XP, Windows NT® Workstation 4.0
Size		Base unit: 252 (W) x 454.5 (D) x 287 (H) mm <9.9" x 17.9" x 11.3"> (including cable cover)
Printer Units	Thermal Printer	56 column thermal (80 mm paper roll)
	Dot Matrix Printer	42 column dot matrix
	Hybrid Printer	Slip printer: 42 column dot matrix
		Receipt printer: 56 column thermal
	TM Printer Tray	Tray for one station TM printers or for TM-H6000
LCD With Touch Panel		12.1" TFT color (800 x 600), Resistive touch panel (314 (W) x 254 (D) mm)
		10.4" TFT color (800 x 600), Resistive touch panel (277 (W) x 208 (D) mm)
Options	Customer Display	VFD (20 x 2-line display or 256 x 64 dots graphic display), w/Standard Pole (125 mm <4.9">), w/Extended Pole (244 mm <9.6">, OPTION)
	MSR Unit	ISO 1, 2 & 3 track, Fixed to LCD or Keyboard unit, Communication via KB interface
	NVRAM Unit	32 KB SRAM with battery backup can be installed
	Sound	Exclusive Sound board can be installed
	CD-ROM Drive	24X speed slim drive
	Keyboard	POS 84-K/B, Programmable (277 (W) x 208 (D) mm <10.9" x 8.19">), 28-Key Keyboard Unit

TM Series

Fast Solution For Multiple Printing Needs

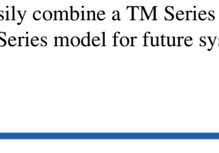
● Inkjet printers ● Hybrid printers ● Thermal line printers
● Impact dot matrix printers ● Slip printers

Variety

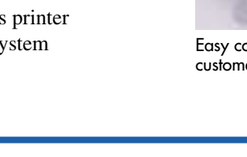
Technology Lineup
Impact, thermal, hybrid and inkjet printers for a wide range of applications.

Station Lineup
A huge range of models including 1 station,1.5 station, 2.5 station, Slip, and Label printers.

Two Case Colors
EPSON dark gray available for hospitality businesses and stores aiming for interior color coordination.
(TM-J7000/J7100, TM-H6000II, TM-T88Ⅲ, TM-T90/L90, U200 Series, U295)



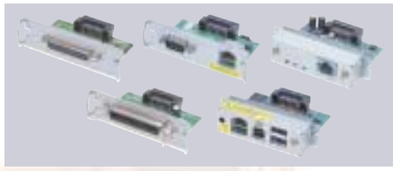
Asian Multi-Language Capability
Extension memory enables use of multiple languages including Chinese and Thai.
(TM-H6000II, H5000II, TM-T88Ⅲ, T90, L90, TM-U230, U200A, TM-J2000/J2100, U590)



- ASB ..... Automatic Status Back Function
- Easy Setting ..... Easy Paper Roll Setting
- Auto Feed ..... Auto Feed Paper Loading
- Autocutter ..... Autocutter
- 2 Colors ..... Two-color Printing
- MICR ..... MICR
- Maintenance Memory ..... Maintenance Memory
- Display Port ..... Display Port
- Multi Language ..... Multi Language
- Dark Gray ..... Dark Gray

Expandability

Universal Interface
Wide range of interfaces to meet customers' current needs while enabling future upgrades.

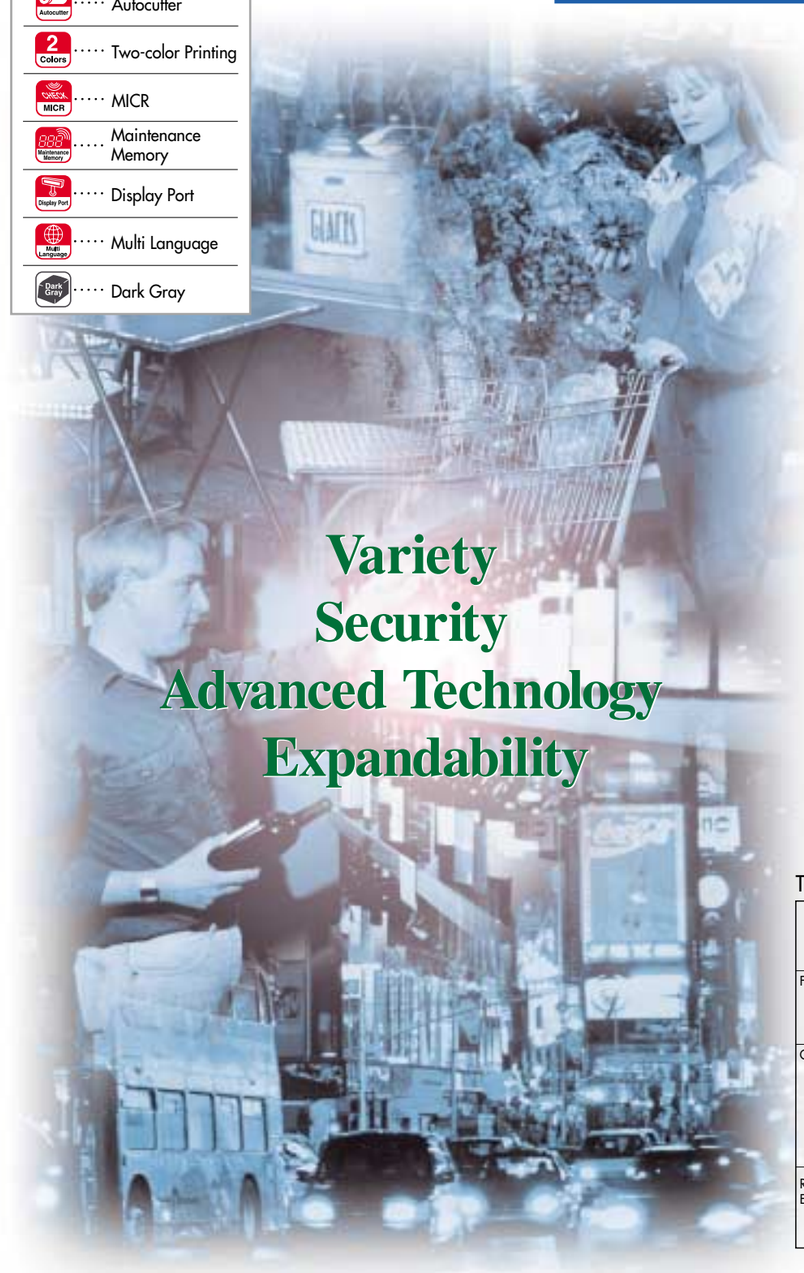


Multiple interfaces

DM Connection
Interface on the printer side provided for connection of a DM customer display without taking up valuable counter space. Also leaves other interfaces free for additional applications.

IR Connection
You can easily combine a TM Series printer with an IR Series model for future system upgrades.

Easy combination with a customer display



Ready To Meet All Your Needs

When EPSON designs a printer, it takes everything into consideration, not just whether you want receipt, journal, ticket or other output. This means there's an EPSON printer ready to deliver all the functions and features you need while meeting your connection and security requirements. Take a look at what EPSON has to offer.

Security

Maintenance Memory
Number of lines printed and number of cutter operations performed are stored in memory to help decide when maintenance is required.
(TM-H6000II, H5000II, U675, TM-J7000/J7100, J2000/J2100, T90, L90, U230)

Switch Cover
Prevents accidental switch operation.

Cable Management
Eliminates untidy cables while assuring firm connection.

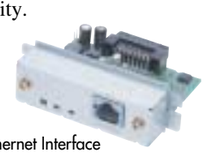
Security Plug
Prevents accidental unplugging.
(PS-180)

Locked Unlocked

Advanced Technology

Industry-Leading Innovation
EPSON doesn't just focus on hardware development.
OLE POS application software simplifies POS application development in Windows® through the use of modules and objects.
It also enables control of POS devices regardless of the kind of hardware. JavaPOS™ does the same for application development in a Java environment. There's also ESC/POS®, EPSON's proprietary control system enabling versatile POS system construction with high scalability.
Other examples of EPSON's cutting-edge technology include customer displays ready to support USB and Ethernet interfaces.

USB Interface



Ethernet Interface

Technology at a glance

	Impact (Impact dot matrix)	Thermal (Thermal Line)	Hybrid (Hybrid)	Inkjet (Inkjet)
Features	Extremely durable Low maintenance requirements EPSON models feature 9-pin technology for superior quality	Fast and quiet Direct printing to paper eliminates need for ribbon Easy paper loading	Combine thermal and impact printing capabilities	Fast and silent Ideal printers for PC output Plain paper printing capability 2-color printing
Good for	Speed and clarity Reliability Low consumables cost (ribbons, plain paper) Capabilities such as check endorsement, validation etc.	Virtually silent printing High-resolution graphics High-speed output Printing labels and tickets Barcode printing	Quiet, high-speed operation High-resolution graphics Multi-part printing Enable check endorsement, validation etc.	Speed and print clarity High-resolution graphics High-speed printing Barcode printing capability Highlight printing (company logos etc.)
Recommended EPSON printers	TM-U200 Series, TM-U230, TM-U325, TM-U590, TM-U675, TM-U295, TM-U950	TM-T90 TM-L90 TM-L60II TM-T88III	TM-H5000II TM-H6000II	TM-J8000 TM-J2000/J2100 TM-J7000/J7100

TM Series

INKJET PRINTERS

Using its original SEAJet® technology, Epson brings you an impressive range of inkjet printers for POS applications. Printers in the range provide a number of outstanding features such as graphic and 2-color printing, and low cost of ownership.

Inkjet

TM-J7000/J7100

Inkjet Receipt and Slip Printer

NEW

EPSON DARK GRAY

High Quality Inkjet Printing

Thanks to Epson's world-renowned inkjet printing technology, its new TM-J7000 and TM-J7100 printers for POS systems provide users with superb inkjet printing quality on receipts and slips. Both printers are capable of printing logos and graphics, and the

TM-J7100 adds a new dimension with attractive 2-color output.

High Performance

Despite its small footprint and compact size, the TM-J7000/J7100 boast exceptional performance. Thanks to the original Epson Smart Pass™, endorsement on the reverse side of personal checks is possible in a single pass, cutting the time taken for this operation to a mere 12 seconds, a fraction the speed of conventional printers.

Low Cost of Ownership

Ideal for retailers on a tight budget, plain paper printing, a tough print head and exceptional durability ensure that the cost of owning these printers is considerably less than other POS printers. A choice between economy, high speed and normal modes allows users to set the printer to suit their needs and budgets.

Flexible

A simple adjustment allows users to switch freely between a variety of paper sizes (57.5 to 82.5 mm). Designed to drop into existing systems, the TM-J7000/J7100 are fitted with a wide range of interfaces.

Print method		Serial inkjet dot matrix (180 dpi x 180 dpi)
Print font	Font	12 x 24 / 9 x 17
	Column capacity (columns)	Receipt: 82.5 mm: 42 / 56 76 mm: 40 / 53 69.5 mm: 36 / 48 57.5 mm: 30 / 40 Slip: 48 / 64 Endorsement: 46 / 61
	Character size (mm)	1.41 (W) x 3.384 (H) / 0.987 (W) x 2.397 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Bar code: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR(NW7), PDF417
	Characters per inch	15 / 20 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB , 10 Base-T I/F
Data buffer		4 KB
Print speed		Character: 14.3 lps Graphic: 43 mm / sec. (Paper width 76 mm, Economy, High speed mode)
Paper	Dimensions (mm)	Receipt: 57.5 ± 0.5, 69.5 ± 0.5, 76 ± 0.5, 82.5 ± 0.5 Slip: 68 to 230 (W) x 68 to 297 (L) (min. 68 x 152) Endorsement: 68 to 101.6 (W) x 150 to 223 (L)
	Thickness (mm)	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.2 Endorsement: 0.09 to 0.13
Ink Cartridge		Single color: SJIC8 (K) : Black (for TM-J7000 only) Two color: SJIC6 (K) : Black, SJIC7 (R) : Red, SJIC7 (B): Blue, SJIC7 (G): Green (for TM-J7100)
Ink life		Single color: Approx. 20 x 10^6 Characters Two color: Approx. 15 x 10^6 Characters for 2 color cartridge
Power		24 VDC ± 10%
Power consumption		Printing: Approx. 0.5 A Stand-by: Approx. 70 mA
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 50 x 10^6 lines
Overall dimensions (mm)		195 (W) x 237 (D) x 188 (H)
Mass (Approx.)		4.4 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Factory options		MICR device
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Easy Setting · Autocutter · 2 Colors · Maintenance Memory · Display Port · Dark Gray

*cpi: characters per inch
*lps: lines per second

Ecology label

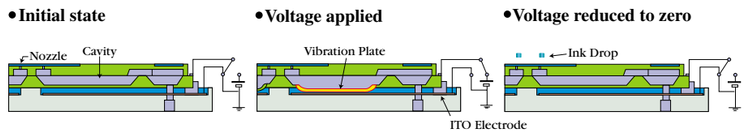
This product meets EPSON ecology label compliance standards. The EPSON ecology label is a self-declared environmental label applied to environmentally conscious products. Refer to the web site (http://www.epson.co.jp/e/) for the standards in detail.

1. Low energy consumption during standby is at the top of its class in this field.
2. Reduced resource consumption by miniaturization of the product and part reduction.
3. No use of chemical substances prohibited to be included in products for parts, materials, and packing materials.
4. High quality plain paper is used, since it is easier for recycling than thermal paper.

SEAJet® Technology

SEAJet® is a newly developed original Epson inkjet technology aimed at small printers for POS and other commercial uses. This technology allows the development of compact print heads, energy efficient print head, and gives POS printers high-resolution printing capability.

SEAJet® Acting Principle



Inkjet

TM-J2000/J2100

Inkjet Receipt Printer

High Performance in a Compact Body

Although compact with a small, space-saving format, the Epson TM-J2000/J2100 deliver outstanding performance and attractive receipts/slips. Customers will be impressed by the eye-catching 2-color output of the TM-J2100.

Easy to Use

The Epson TM-J2000/J2100 feature a full-frontal drop-in paper loading system that makes it easy to replace paper cartridges.

ASB · Easy Setting · Autocutter · 2 Colors · Maintenance Memory · Display Port · Multi Language

Print method		TM-J2000: 64 nozzle serial inkjet (180 dpi x 180 dpi) TM-J2100: 128 nozzle serial inkjet (180 dpi x 180 dpi)
Print font	Font	12 x 24 / 9 x 17
	Column capacity (columns)	82.5 mm: 42 / 56 76 mm: 40 / 53 70 mm: 36 / 48 58 mm: 30 / 40
	Character size (mm)	1.41 (W) x 3.39 (H) / 0.99 (W) x 2.4 (H)
	Character set	ASCII, WPC1252, PC437, PC850, PC852, PC858, PC860, PC863, PC865, PC866, Custom Graphic Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), 2 of 5 (ITF), CODE 39, CODE 93, CODE 128, CODABAR (NW7)
	Characters per inch	15 cpi (Font A) / 20 cpi (Font B)
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB , 10 Base-T I/F
Data buffer		4 KB or 512 byte
Print speed		Character: 14.7 lps (8 lines / inch) Graphic: 43 mm / sec. (76 mm width paper, Full columns print)
Paper	Dimensions (mm)	57.5 ± 0.5, 69.5 ± 0.5, 76 ± 0.5, 82.5 ± 0.5
	Thickness (mm)	0.06 to 0.11
Ink Cartridge		SJIC5 (Black for TM-J2000) SJIC3 (Black for TM-J2100) SJIC4 (Red, Blue, Green for TM-J2100)
Ink life		24 x 10^6 characters (Mono), 17 x 10^6 characters (2 colors)
Power		24 VDC ± 10%
Power consumption		Approx. 1 A (Operating)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours, MCBF: 50 x 10^6 lines
Overall dimensions (mm)		195 (W) x 250 (D) (275 D with overhanging ledge) x 195 (H)
Mass (Approx.)		4.7 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

Inkjet

TM-J8000

Inkjet POS Printer

Fast Output

The Epson TM-J8000 is not only fast, but offers users wide-slip printing. Speed is as high as 15/lps on roll paper and 3 pages/min. on A4.

ASB · Easy Setting · Autocutter · Display Port

Print method		Serial Inkjet dot matrix (128 nozzle / 360 dpi)
Print font	Font	22 x 48 / 18 x 36
	Column capacity (columns)	Receipt: 42 / 51, Slip: 130 / 158
	Character size (mm)	1.48 (W) x 3.32 (H) / 1.20 (W) x 2.47 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 9 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), 2 of 5 (ITF), CODE 39, CODE 93, CODE 128
	Characters per inch	16.4 cpi / 20 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Receipt: 10.1 lps (at 42 columns) / 14.7 lps (at 51 columns) Slip: 4.9 lps (at 130 columns) / 7.3 lps (at 158 columns)
Paper	Dimensions (mm)	Receipt: 76 ± 0.5 x dia. 83.0, Slip: (W) 68 to 215.9 / (L) 68 to 297.0
	Thickness (mm)	Receipt: 0.06 to 0.09, Slip: 0.09 to 0.15
Ink cartridge		SJIC1 (Black)
Ink life		12 x 10^6 characters
Power		AC 85 V - 264.5 V (only for single phase)
Power consumption		25 W (operating)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 37 x 10^6 lines
Overall dimensions (mm)		325 (W) x 300 (D) x 200 (H)
Mass (Approx.)		9.0 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		Universal power supply is built in
Safety standards		UL / CSA / TÜV (EN60950)

TM Series

HYBRID PRINTERS

Hybrid printers allow retailers to enjoy the benefits of both impact and thermal printing. Including the digital check imaging function now offered with the TM-H6000II, Epson's powerful range of hybrid printers are designed to fit a wide variety of user needs.

Receipt: Thermal Line, Slip: 9-pin, serial dot

TM-H6000II

High-Speed, High Performance Hybrid Printer

EPSON
DARK GRAY

Ultra-Fast Thermal Receipt Printing

Designed for speed, the Epson TM-H6000II prints receipts at an impressive maximum speed of 170mm/sec. Checks can be printed and endorsed without the need to be manually reversed.

Beautiful Output

With 2-color, advanced graphic and barcode printing capability, this printer presents users with a variety of possibilities.

Check Printing Convenience

Enables quick printing and endorsement of checks without the need to manually reverse them.

Print method		Receipt: Thermal line printing, Slip: 9-pin serial impact dot matrix E / P: 8-pin shuttle impact dot matrix
Print font	Font	Receipt: 9 x 17 / 12 x 24, Slip: 5 x 9 / 7 x 9, E / P: 5 x 7
	Column capacity (columns)	Receipt: 56 / 42, Slip: 45 / 60, E / P: 40
	Character size (mm)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H) Slip: 1.24 (W) x 3.1 (H) / 1.56 (W) x 3.1 (H) E / P: 1.1 (W) x 2.42 (H)
	Character set	Receipt / Slip: 95 Alphanumeric, 37 International, Receipt: 128 x 11 Graphic, Slip: 128 x 12 Graphic, Bar code: UPC-A, UPC-E, JAN13 (EAN13), JAN8 (EAN8), CODE 39, CODE 93, CODE 128, ITF, CODABAR, PDF417(Receipt only)
	Characters per inch	Slip: 13.3 cpi / 17.8 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Receipt: Max. 170 mm / sec. Slip: Approx. 5.14 lps (at 40 columns, 17.8 cpi) E / P: Approx. 1.9 lps
Paper	Dimensions (mm)	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0 Slip & E / P: 68 to 230 x 68 to 297 mm (W x L) NOTE: The minimum paper size is 68 x 152 mm
	Thickness (mm)	Receipt: 0.06 to 0.09, Slip: 0.09 to 0.31 E / P: 0.09 to 0.2
Copy capability		Slip: One original and three copies E / P: One original single ply
Inked ribbon		Slip: ERC-32 (Purple, Black), E / P: ERC-41 (Purple, Black)
Ribbon life		Slip: Purple: 6 x 10^6 characters, Black: 4 x 10^6 characters E / P: Purple: 1 x 10^6 characters, Black: 8 x 10^5 characters
Power		24 VDC ± 10%
Power consumption		Receipt: Approx. 1.8 A Slip: Approx. 1.7 A
D.K.D.function		2 drivers
Reliability		MTBF: Receipt: 36 x 10^4 hours, Slip: 18 x 10^4 hours MCBF: Receipt: 52 x 10^6 lines, Slip: 18 x 10^6 lines
Overall dimensions (mm)		186 (W) x 298 (D) x 185 (H)
Mass (Approx.)		5.8 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548
Power supply		PS-180 (option)
Factory options		MICR device, Endorsement printer (E / P)
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Easy Setting · Autocutter · 2 Colors · MICR · Maintenance Memory · Display Port · Multi Language · Dark Gray

Receipt: Thermal Line, Slip: 9-pin, serial dot

TM-H6000II with Image Scanner

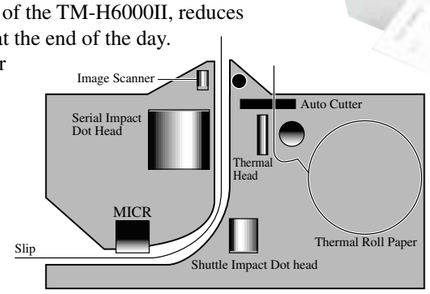
NEW

Exclusive Digital Check Imaging Tool

The popular TM-H6000II is now available with an exclusive new feature an image scanner that uses digital check imaging technology.

Improved Efficiency

Adding an image scanner to the MICR* and check endorsement capability of the TM-H6000II, reduces the retailer's workload at the end of the day.
*Magnetic ink character recognition.



EPSON
DARK GRAY

Receipt: Thermal Line, Slip: 9-pin, serial dot

TM-H5000II

High-End POS System Printer

Thermal And Dot Output

This provides application versatility with thermal and dot matrix output. It also includes a speedy 120-mm/sec. receipt printing, and ladder and fence barcode printing.

Wide Slip Printing

Packed with exciting features, the TM-H5000II prints slips up to a width of 88 columns, with one original and four copies.

Print method		Receipt: Thermal line printing, Slip: 9-pin serial impact dot matrix
Print font	Font	Receipt: 9 x 17 / 12 x 24, Slip: 7 x 9 / 9 x 9
	Column capacity (columns)	Receipt: 56 / 42, Slip: 88 / 66
	Character size (mm)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H), Slip: 1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 7 Graphic (Receipt) 128 x 10 Graphic (Slip) Traditional / Simplified Chinese, Thai, Japanese
	Characters per inch	Receipt: 20.0 cpi / 15.0 cpi, Slip: 16.7 cpi / 12.5 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Receipt: 120 mm / sec. (38 lps, 1 / 8" conversion), Slip: 311 / 233 cps
Paper	Dimensions (mm)	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0, Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L)
	Thickness (mm)	Receipt: 0.06 to 0.07, Slip: 0.09 to 0.2, (total thickness: ~ 0.36)
Copy capability		Slip: One original and four copies
Inked ribbon		ERC-31 (Purple, Black)
Ribbon life		Purple: 7 x 10^6 characters, Black: 4.5 x 10^6 characters
Power		24 VDC ± 10%
Power consumption		Receipt: Approx. 1.7 A, Slip: Approx. 1.9 A
D.K.D.function		2 drivers
Reliability		MTBF: Receipt: 36 x 10^4 hours, Slip: 18 x 10^4 hours MCBF: Receipt: 52 x 10^6 lines, Slip: 29 x 10^6 lines
Overall dimensions (mm)		252 (W) x 331 (D) x 201 (H), (excluding extended table)
Mass (Approx.)		6.5 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Factory options		MICR device
Safety standards		UL / CSA / TÜV(EN60950)

ASB · Easy Setting · Autocutter · MICR · Maintenance Memory · Display Port · Multi Language

THERMAL LINE PRINTERS

Making the most of the advanced functions of the Epson TM-L90 label printer is the new EPSON Business Label Software label design software. And the performance of Epson's popular TM-T88 series has boosted even further with the addition of the new TM-T88Ⅲ.

Thermal Line

TM-L90 & EPSON Business Label Software

High-Speed, High Performance Label Printer

NEW

EPSON
DARK GRAY

High Speed and Performance

They don't come much faster than the TM-L90, Epson's popular counter-based label printer. Printing at an impressive 150 mm/sec., users can also enjoy the benefits of barcode and 2-color labels.
*Max. 2-color printing speed is 90 mm/sec.
**To print in two colors, users must load dedicated thermal paper and set the printer to the 2-color printing mode.

You can design custom labels to meet your exact needs.

Readymade templates make designing labels quick and easy.

Flexible

The Epson TM-L90 fits snugly into existing systems. Compatible with a wide range of paper widths, it also boasts a wide range of interfaces to allow easy connectivity.

EPSON Business Label Software

Now available with the TM-L90 is EPSON Business Label Software, exciting, easy-to-use label design software from Epson. Following a series of simple steps, users can now create and print original labels - complete with colors and barcodes.
Perfectly complementing the advanced features and high-speed printing of the TM-L90, EPSON Business Label Software also features consecutive number and date/ time counters, support in eight languages and database (ODBC, CSV & xls) link capability.

Print method		Thermal line printing
Print font	Font	9 x 17 / 12 x 24
	Column capacity (columns)	64 / 48
	Character size (mm)	1.1 (W) x 2.1 (H) / 1.5 (W) x 3.0 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Barcode: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417, MaxiCode, QRCode
	Characters per inch	22.6 cpi / 16.9 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 byte
Print speed		Max. 150 mm / sec.
Paper	Dimensions (mm)	Rollpaper: Max. 79.5 ± 0.5 x dia. 90.0
	Thickness (mm)	0.06 ~ 0.15
Power		24 VDC ± 7%
Power consumption		Approx. 1.7 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 36 x 10^4 hours MCBF: 70 x 10^6 lines (when printing receipt)
Overall dimensions (mm)		140 (W) x 148 (D) x 203 (H)
Mass (Approx.)		1.9 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Easy Setting · Autocutter · 2 Colors · Maintenance Memory · Multi Language · Dark Gray

Thermal Line

TM-T90

EPSON
DARK GRAY

High-Speed, High Performance Thermal Printer

Versatile and Easy to Use

A simple drop-in loading system means that even inexperienced operators can load paper rolls with the minimum of effort. Capable of handling paper rolls of up to 102 mm in diameter, the compact TM-T90 can be unobtrusively located in any retail environment.

Print method		Thermal line printing
Print font	Font	9 x 17 / 12 x 24
	Column capacity (columns)	56 / 42
	Character size (mm)	1.3 (W) x 2.4 (H) / 1.7 (W) x 3.4 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic, Barcode: UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417
	Characters per inch	20.0 cpi / 15.0 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 byte
Print speed		Max. 170 mm / sec.
Paper	Dimensions (mm)	Rollpaper: Max. 79.5 ± 0.5 x dia. 102.0
	Thickness (mm)	0.06 ~ 0.08
Power		24 VDC ± 7%
Power consumption		Approx. 1.7 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 36 x 10^4 hours MCBF: 70 x 10^6 lines
Overall dimensions (mm)		140 (W) x 201 (D) x 148 (H)
Mass (Approx.)		1.8 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

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Thermal Line

TM-T88Ⅲ

NEW

EPSON
DARK GRAY

High-Performance Thermal Printer

Fast and Flexible

Printing at 150 mm/sec. enables the TM-T88III to complete even large volume tasks quickly. With smooth and scalable font printing capability, this printer offers a choice of font sizes, and fence and ladder bar codes.

Fully Compatible with TM-T88II

The TM-T88Ⅲ offers all the advantages of the TM-T88II with improved performance.

Print method		Thermal line printing
Print font	Font	9 x 17 / 12 x 24
	Column capacity (columns)	56 / 42
	Character size (mm)	0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 8 Graphic Traditional / Simplified Chinese, Thai, Japanese, Korean Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR
	Characters per inch	20.0 cpi / 15.0 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Max. 150 mm / sec.
Paper	Dimensions (mm)	Roll paper: 79.5 ± 0.5 (W) x dia. 83.0
	Thickness (mm)	0.06 to 0.07
Power		24 VDC ± 7%
Power consumption		Approx. 1.8 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 36 x 10^4 hours MCBF: 52 x 10^6 lines
Overall dimensions (mm)		145 (W) x 195 (D) x 148 (H)
Mass (Approx.)		1.8 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Option		Wall-hanging bracket WH-10
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Easy Setting · Autocutter · Multi Language · Dark Gray

TM Series IMPACT DOT MATRIX PRINTERS

Impact dot matrix

Widely used for receipt printing, dot matrix printers are the only choice when the demand is for multi-part output. Other dot matrix printer benefits include exceptional durability that keeps maintenance costs low, and economical operation. And the printing ribbon only needs to be changed occasionally. With EPSON dot matrix printers, you also get high quality results thanks to the 9-pin heads.

9-pin, serial dot

TM-U950/U925

Impact dot matrix

Outstanding Performance & Versatility

Prints everything from slips and receipts to journals. Ultra-fast output of up to 88 columns on A4-size paper with bi-directional, logic-seeking printing.

Reliability & Convenience

The reliability is there. Plus a wide range of handy features including automatic paper cutting and easy paper loading and ribbon changing.

Versatile Printer For Large POS Systems

Print method		9-pin, serial impact dot matrix
Print font	Font	7 x 9 / 9 x 9
	Column capacity (columns)	Receipt (Journal): 40 / 30, Slip: 88 / 66 (TM-U950) Receipt: 40 / 30, Slip: 88 / 66 (TM-U925)
	Character size (mm)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 9 Graphic (TM-U950) 95 Alphanumeric, 32 International, 128 x 8 Graphic (TM-U925)
	Characters per inch	16.7 cpi / 12.5 cpi
Interfaces		RS-232, Bi-directional parallel (TM-U950) RS-232 (TM-U925)
Data buffer		2 KB or 32 bytes
Print speed		311 / 233 cps
Paper	Dimensions (mm)	Receipt (Journal): Roll paper: 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L) (TM-U950) Receipt: Roll paper: 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L) (TM-U925)
	Thickness (mm)	Receipt (Journal): 0.06 to 0.09, Slip: 0.09 to 0.36 (TM-U950) Receipt: 0.06 to 0.09, Slip: 0.09 to 0.36 (TM-U925)
Copy capability		One original and four copies (for slip)
Inked ribbon		ERC-31 (Purple)
Ribbon life		Purple: 7 x 10^6 characters
Power		24 VDC ± 10%
Power consumption		Approx. 1.8 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 18 x 10^6 lines
Overall dimensions (mm)		251 (W) x 298 (D) x 194.5 (H) (TM-U950), 251 (W) x 298 (D) x 193.7 (H) (TM-U925)
Mass (Approx.)		5.6 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Factory options		MICR device
Safety standards		UL / CSA / TÜV (EN60950)

ASB Auto Feed Autocutter MICR Display Port

9-pin, serial dot

TM-U675

Impact dot matrix

High-Performance, Multi-Purpose Printer

Print method		9-pin serial impact dot matrix
Print font	Font	5 x 9 / 7 x 9
	Column capacity (columns)	Receipt: 37 / 50, Slip / Validation: 45 / 60
	Character size (mm)	1.56 (W) x 3.1 (H) / 1.24 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 12 Graphic
	Characters per inch	13.3 cpi / 17.8 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Approx. 5.14 lps (at 40 columns, 17.8 cpi)
Paper	Dimensions (mm)	Roll paper: 82.5 / 76.0 ±0.5 (W) x dia. 83.0 Slip: 68 to 230 (W) x 68 to 297 (L) (min. 68 x 152) Validation: 68 to 230 (W) x 68 to 230 (L) (min.68 x 152)
	Thickness (mm)	Roll paper: 0.06 to 0.085 / sheet Slip: 0.09 to 0.2 (total thickness: 0.09 to 0.31)
Copy capability		One original and two copies
Inked ribbon		ERC-32 (Purple, Black)
Ribbon life		Purple: 6 x 10^6 characters , Black: 4 x 10^6 characters
Power		24 VDC ±10%
Power consumption		Approx.1.8 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 37 x 10^6 lines
Overall dimensions (mm)		186 (W) x 298 (D) x 195 (H)
Mass (Approx.)		5.8 kg
EMI standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Factory options		MICR device, Autocutter
Safety standards		UL / CSA / TÜV (EN60950)

ASB Auto Feed Autocutter MICR Maintenance Memory Display Port

Fast & Super Quiet

Throughput is fast thanks to bi-directional minimum distance printing. Quieter than other impact dot matrix printers of its class.

Handy Features

ASB (Automatic Status Back) function automatically transmits changes in printer status.
Also offers the convenience of two-way paper loading.

9-pin, serial dot

TM-U375

Impact dot matrix

Standard 1.5 Station Printer

Basic 1.5 station model with exceptionally low height. Features a movable platen and easy-to-use design for simple roll paper loading, slip insertion and maintenance.

High-Performance 1.5 Station Printer

Print method		9-pin, serial impact dot matrix
Print font	Font	5 x 9 / 7 x 9
	Column capacity (columns)	33 / 40
	Character size (mm)	1.6 (W) x 3.1 (H) / 1.2 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 9 Graphic
	Characters per inch	13.3 cpi / 16 cpi
Interfaces		RS-232, Bi-directional parallel
Data buffer		4 KB or 40 bytes
Print speed		3.5 lps (at 40 columns, 16 cpi), 5.4 lps (at 20 columns, 16 cpi)
Paper	Dimensions (mm)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 160 (L) to 182 (W) x 257 (L) Validation: 135 (W) x 70 (L) to 182 (W) x 257 (L)
	Thickness (mm)	Roll paper 0.06 to 0.085 / sheet Slip: 0.09 to 0.12 (Total thickness 0.09 to 0.31)
Copy capability		Roll Paper: One original and one copy Slip: One original and two copies
Inked ribbon		ERC-38 (Purple, Black)
Ribbon life		Purple: 4 x 10^6 characters, Black: 3 x 10^6 characters
Power		24 VDC ± 10%
Power consumption		Approx. 1.4 A
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 18 x 10^6 lines
Overall dimensions (mm)		186 (W) x 327 (D) x 145 (H)
Mass (Approx.)		4 kg
EMI standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

ASB Auto Feed Display Port

9-pin, serial dot

TM-U325

Impact dot matrix

Versatile Printing

Receipt printing and multi-line validation up to 9 lines from a compact, space-saving unit.

Quiet, Fast Output

Designed for environments where quiet operation is a must. Features logic-seeking control for fast 6.4 lps receipt and multi-line validation printing.

High-Performance 1.25 Station Printer

Print method		9-pin, serial impact dot matrix
Print font	Font	7 x 9 / 9 x 9
	Column capacity (columns)	40 / 42 or 33 / 35 (3 half dots / 2 half dots space)
	Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric / 32 International, 128 x 8 Graphic
	Characters per inch	16 or 17.8 cpi / 13.3 or 14.5 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 45 bytes
Print speed		Approx. 3.5 lps (at 40 columns, 16 cpi) Approx. 6.4 lps (at 16 columns, 16 cpi)
Paper	Dimensions (mm)	Receipt: 76.0 ± 0.5 (W) x dia. 83.0 Validation: 135 (W) x 70 (L) to 182 (W) x 182 (L) (Maximum print lines: 9 lines)
	Thickness (mm)	Receipt: 0.06 to 0.085 (total thickness:0.2mm or less) Validation: 0.09 to 0.12 (total thickness 0.09 to 0.31)
Copy capability		One original and two copies
Inked ribbon		ERC-38 (Purple, Black)
Ribbon life		Purple: 4 x 10^6 characters, Black: 3 x 10^6 characters
Power		AC adapter (included)
Power consumption		Approx. 43 W
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 49 x 10^6 lines
Overall dimensions (mm)		164 (W) x 240 (D) x 136 (H)
Mass (Approx.)		2.3 kg
EMC standards		FCC class A
Power supply		Exclusive AC adapter (included)
Safety standards		UL / CSA

ASB Auto Feed

TM Series

Slip printer

SLIP PRINTERS

Compact, easy-to-use and exceptionally reliable, EPSON's slip printers have what it takes to satisfy POS, banking and other transaction needs. One valuable feature is the ability to print slips with multiple copies.

9-pin, serial dot

TM-U200 Series

Impact dot matrix

EPSON
DARK GRAY

Fast, Lightweight & Rugged

Tough construction assures outstanding reliability. Fast 3.5 lps red/black printing for 40 columns and 6.4 lps for 16 columns.

Feature-Packed

Complete with ESC/POS®-based command system for smooth operation. Also features Automatic Status Back for quick confirmation of printer operation status, and semi-automatic paper loading.

Item / MODEL	Standard device / unit	Applications	Appearance
Type A	Take up/ Automatic cutter	Receipt & Journal Printer	
Type B	Automatic cutter	Kitchen Receipt / ticket	
Type D		Receipt	

ASB · Auto Feed · Autocutter · 2 Colors · Multi Language · Dark Gray

High Cost-Performance Printers

Print method		9-pin, serial impact dot matrix
Print font	Font	7 x 9 / 9 x 9
	Column capacity (columns)	40 / 42 or 33 / 35
	Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 8 Graphic Traditional / Simplified Chinese, Thai, Japanese, Korean
	Characters per inch	17.8 / 16 cpi or 14.5 / 13.3 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		1 KB or 40 bytes
Print speed		3.5 lps (at 40 columns, 16 cpi), 6.4 lps (at 16 columns, 16 cpi)
Paper	Dimensions (mm)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0
	Thickness	0.06 to 0.085
Copy capability		A type: One original and two copies B type: One original and one copy D type: One original and two copies
Inked ribbon		ERC-38 (Purple, Black, Black / Red)
Ribbon life		Purple: 4 x 10^6 characters, Black: 3 x 10^6 characters B / R: 15 x 10^5 characters (Black) / 75 x 10^4 characters (Red)
Power		AC adapter (included)
Power consumption		Approx. 43 W
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 18 x 10^6 lines
Overall dimensions (mm)		A type: 160 (W) x 295 (D) x 160 (H) B type: 160 (W) x 248 (D) x 150 (H) D type: 160 (W) x 248 (D) x 133 (H)
Mass (Approx.)		A type: 2.5 kg, B type: 2.5 kg, D type: 2.2 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		Exclusive AC adapter (included)
Factory options		Near-end sensor
Safety standards		UL / CSA / TÜV (EN60950)

9-pin, serial dot

TM-U230

Impact dot matrix

Water Resistant and Easy to Clean

With a water-resistant case and a unique drain channel, the TM-U230 is a perfect addition to any busy kitchen. Its flat surface makes it easy to wipe clean, while a fine coating makes it possible to remove oils, sauces, and other kitchen stains.

Flexible and Versatile

Install the TM-U230 wherever you want: vertically (paper exit at the front), horizontally (paper exit on top), or hanging on the wall (bracket optional).
And with Ethernet and USB available as options, you can be sure that the TM-U230 will fit into any kitchen network. Ethernet capability allows this unique kitchen printer to be connected to a large network or an Order Entry System.

A New Dirt-Resistant Kitchen Printer

Print method		9-pin, serial impact dot matrix
Print font	Font	7 x 9 / 9 x 9
	Column capacity (columns)	40 / 42 or 33 / 35
	Character size (mm)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 37 International, 128 x 8 Graphic Traditional / Simplified Chinese
	Characters per inch	16 or 17.8 cpi, 13.3 or 14.5 cpi
Interfaces		RS-232, Bi-directional parallel, 10 Base-T I/F Dealer option: RS-485, USB
Data buffer		1 KB / 16 KB
Print speed		3.5 lps (at 40 columns, 16 cpi) 6.4 lps (at 16 columns, 16 cpi)
Paper	Dimensions (mm)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0
	Thickness (mm)	0.06 to 0.085
Copy capability		One original
Inked ribbon		ERC-38 (Purple, Black, Black / Red)
Ribbon life		Purple: 4 x 10^6 characters, Black: 3 x 10^6 characters B / R: 15 x 10^5 characters (Black), 75 x 10^4 characters (Red)
Power		24 ~ 34 VDC
Power consumption		Approx. 43 W
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 18 x 10^6 lines
Overall dimensions (mm)		166 (W) x 168 (D) x 259.5 (H)
Mass (Approx.)		2.7 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		Power supply built-in model / Power supply separate model
Options		WH-10
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Auto Feed · Autocutter · 2 Colors · Multi Language

9-pin, serial dot

TM-U590

Slip printer

Versatile Printing

Designed to handle virtually any printing task including output of slips up to 88 columns wide.
Can also provide four copies with one original.

User-Friendly

Complete with the ESC/POS® command system for smooth, error-free operation. Printer operation status provided by the Automatic Status Back function.

Wide Slip Printer

Print method		9-pin, serial impact dot matrix
Print font	Font	7 x 9 / 9 x 9
	Column capacity (columns)	88 / 66
	Character size (mm)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 10 Graphic Simplified Chinese, Japanese, Korean
	Characters per inch	16.7 cpi / 12.5 cpi
Interfaces		RS-232, Bi-directional parallel, Dealer option: RS-485, USB, 10 Base-T I/F
Data buffer		4 KB or 69 bytes
Print speed		311 / 233 cps
Paper	Dimensions (mm)	70 (W) x 70 (L) to 210 (W) x 297 (L)
	Thickness (mm)	0.09 to 0.2 (total thickness: ~ 0.36)
Copy capability		One original and four copies
Inked ribbon		ERC-31 (Purple, Black)
Ribbon life		Purple: 7 x 10^6 characters, Black: 4.5 x 10^6 characters
Power		24 VDC ± 10%
Power consumption		Approx. 1.9 A (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 29 x 10^6 lines
Overall dimensions (mm)		252 (W) x 266 (D) x 185 (H)
Mass (Approx.)		5 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Display Port · Multi Language

7-pin, shuttle dot

TM-U295

Slip printer

EPSON
DARK GRAY

World's Smallest Slip Printer

Combines printing versatility and ultra-compact, space-saving design.

Printing Versatility

Provides a choice of character sizes, and enables printing in four directions.

Ultra-Compact Slip Printers

Print method		7-pin, shuttle impact dot matrix
Print font	Font	5 x 7 / 7 x 7
	Column capacity (columns)	35 / 42
	Character size (mm)	1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H)
	Character set	95 Alphanumeric, 32 International, 128 x 3 Graphic
	Characters per inch	13.5 cpi / 16.2 cpi
Interfaces		RS-232, Bi-directional parallel
Data buffer		512 bytes or 35 bytes
Print speed		2.1 lps
Paper	Dimensions (mm)	80 (W) x 69 (L) to 182 (W) x 257 (L)
	Thickness (mm)	0.09 to 0.25 (total thickness with copy: ~ 0.35)
Copy capability		One original and two copies
Inked ribbon		ERC-27 (Purple)
Ribbon life		15 x 10^5 characters
Power		24 VDC ± 10%
Power consumption		Approx. 600 mA (mean)
D.K.D.function		2 drivers
Reliability		MTBF: 18 x 10^4 hours MCBF: 7 x 10^6 lines
Overall dimensions (mm)		180 (W) x190.5 (D) x 101.5 (H)
Mass (Approx.)		1.6 kg
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B
Power supply		PS-180 (option)
Safety standards		UL / CSA / TÜV (EN60950)

ASB · Dark Gray

Options

POWER SUPPLY

PS-180

Input	Output	Plug	Safety standard		
			UL	CSA	TÜV
100 to 240V AC	24 VDC, 2.0A	3P power jack	●	●	●

CUSTOMER DISPLAY

DM-D Series

RIBBON CASSETTES

ERC-38
for TM-U200, TM-U375, TM-U230 (Purple, Black, Black/Red)

ERC-31
for TM-U950/U925, TM-U590, TM-H5000II, (Purple, Black)

ERC-27
for TM-U295 (Purple, Black)

ERC-32
for TM-H6000II, TM-U675 (Purple, Black)

ERC-41
for TM-H6000II (Endorsement Printer) (Purple, Black)

*An EPSON ribbon is recommended.

INK CARTRIDGES

SJIC1
for TM-J8000 (Black)

SJIC3
for TM-J2100 (Black)

SJIC4
for TM-J2100 (Red, Green, Blue)
Used with SJIC3

SJIC5
for TM-J2000 (Black)

SJIC6
for TM-J7100 (Black)

SJIC7
for TM-J7100 (Red, Green, Blue)
Used with SJIC6

SJIC8
for TM-J7000 (Black)

ACCESSORIES

DC-21
DC cable set (for TM series)

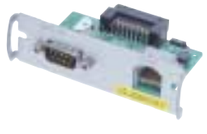
WH-10
Wall-hanging bracket for TM-T90/L90, TM-T88Ⅲ, TM-U230

WT-5000
Extension table for TM-H5000II

Expandability

UB-S01/02

UB-S09



UB-P02Ⅱ

UB-U01Ⅱ

UB-E01

UB-U04 NEW

Multiple Interfaces

TM Series printers feature a wide range of interfaces, including USB & Ethernet interfaces. Besides satisfying current customer needs, these enable easy upgrading in the future, an important consideration for growing businesses.

	UB-S01	UB-S02	UB-S09	UB-P02Ⅱ	UB-U01Ⅱ	UB-U02Ⅱ	UB-E01	UB-U04
Data transfer format	RS-232	RS-485	RS-232	IEEE1284	USB 1.1	USB 1.1	10BASE-T	USB 1.1 w / Power
Remarks			With DM-D connector		With hub	No hub		24 VDC

EPSON Setting POS Standards

Drivers for Wide-Ranging Applications

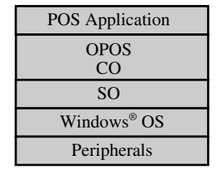
Unified POS Related Drivers

Unified POS is a combined two existing device interface standard under one specification of Point of Service Devices. Herein, two existing device interface standard is OPOS and JavaPOS™. Epson is a key player of these (Unified POS, OPOS and JavaPOS™), and promote the standardization of peripheral device control drivers for the retail market. At the same time, we also provide a wide range of customers with drivers to support POS applications development. Working from customer feedback, our future aims include offering still better functions and establishing yet more industry standards.

EPSON OPOS ADK

EPSON OPOS ADK, provides the versatility and convenience of applications development in Windows® 95, Windows NT®, Windows® 98, Windows® 2000 and Windows® XP environments. Besides dramatically reducing the number of application steps, EPSON OPOS ADK makes system upgrading pretty easy.

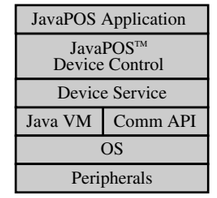
OPOS Architecture



EPSON JavaPOS™ ADK

Java™ is a platform-independent language widely used for POS and other applications. JavaPOS™ standard API makes peripheral devices easy to operate and supports quick system startup. EPSON JavaPOS™ ADK provides support in mainly Linux® environments.

JavaPOS™ Architecture



Standard Specifications

~ OPOS APG 1.6
~ JavaPOS™ PG 1.5

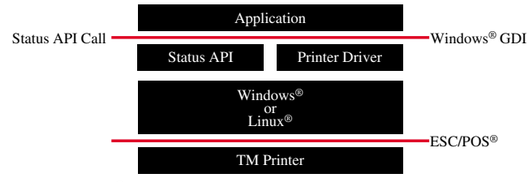
Migration To Non-POS Markets

EPSON Advanced Drivers

EPSON currently provide a universal mini driver with simple printing functions for non-POS markets. However, to meet the needs of non-retail markets, EPSON now offers the Advanced Printer Driver, an upgraded version of the Universal mini driver featuring a Status Monitor function.

Advanced Printer Driver for Windows®

Advanced Printer Driver: Universal mini driver + Status API
1. Status API allows use of EPSON's original Printer Status function
2. Easy applications development in non-POS Windows® environments
3. Enables use of unique TM Series printer functions for other environments (image printing, network connection, spooling processing, etc.)

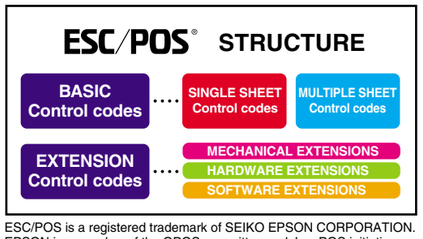


Advanced Linux® Drivers

EPSON is now developing a Linux® Driver as an alternative operating system to Windows®.

ESC/POS® Proprietary Command System

EPSON took the initiative by introducing ESC/POS®, a proprietary POS printer command system including patented commands and enabling versatile POS system construction with high scalability. Compatible with all types of EPSON POS printers and displays, this proprietary control system also offers the flexibility to easily make future upgrades. Its popularity is worldwide.



ESC/POS is a registered trademark of SEIKO EPSON CORPORATION.
EPSON is a member of the OPOS committee and JavaPOS initiative.

TM SERIES SPECIFICATIONS

TM SERIES SPECIFICATIONS

Item	Inkjet Printer			Hybrid Printer		Item
	NEW TM-J7000 / J7100	TM-J2000 / J2100	TM-J8000	TM-H6000II	TM-H5000II	
Appearance						Appearance
Print method	Serial Inkjet dot matrix (180 dpi x 180 dpi)	J2000: 64 nozzle serial inkjet (180 dpi x 180 dpi) J2100: 128 nozzle serial inkjet (180 dpi x 180 dpi)	Serial Inkjet dot matrix (128 nozzle / 360 dpi)	Receipt: Thermal line printing , Slip: 9-pin serial impact dot matrix E / P: 8-pin shuttle impact dot matrix	Receipt: Thermal line printing Slip: 9-pin serial impact dot matrix	Print method
Print Font – Font	12 x 24 / 9 x 17		22 x 48 / 18 x 36	Receipt: 9 x 17 / 12 x 24 Slip: 5 x 9 / 7 x 9, E / P: 5 x 7	Receipt: 9 x 17 / 12 x 24 Slip: 7 x 9 / 9 x 9	Font
Print Font – Column capacity (columns)	Receipt: 82.5 mm: 42 / 56, 76 mm: 40 / 53, 69.5 mm: 36 / 48, 57.5 mm: 30 / 40, Slip: 48 / 64, Endorsement: 46 / 61	82.5 mm: 42 / 56, 76 mm: 40 / 53 70 mm: 36 / 48, 58 mm: 30 / 40	Receipt: 42 / 51, Slip: 130 / 158	Receipt: 56 / 42, Slip: 45 / 60, E / P: 40	Receipt: 56 / 42, Slip: 88 / 66	Column capacity (columns)
Print Font – Character size (mm)	1.41 (W) x 3.384 (H) / 0.987 (W) x 2.397 (H)	1.41 (W) x 3.39 (H) / 0.99 (W) x 2.4 (H)	1.48 (W) x 3.32 (H) / 1.20 (W) x 2.47 (H)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H) Slip: 1.24 (W) x 3.1 (H) / 1.56 (W) x 3.1 (H), E / P: 1.1 (W) x 2.42 (H)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H) Slip: 1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	Character size (mm)
Print Font – Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR (NW7), PDF417	ASCII, WPC1252, PC437, PC850, PC852, PC858, PC860, PC863, PC865, PC866 Custom Graphic, Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), 2 of 5 (ITF), CODE39, CODE93, CODE128, CODABAR (NW7)	95 Alphanumeric, 32 International, 128 x 9 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), 2 of 5 (ITF), CODE39, CODE93, CODE128	Receipt / Slip: 95 Alphanumeric, 37 International, Receipt: 128 x 11 Graphic, Slip: 128 x 12 Graphic, Bar code: UPC-A, UPC-E, JAN13 (EAN13), JAN8 (EAN8), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417 (Receipt only)	95 Alphanumeric, 32 International, 128 x 7 Graphic (Receipt) 128 x 10 Graphic (Slip) Traditional / Simplified Chinese, Thai, Japanese	Character set
Print Font – Characters Per Inch	15 cpi (Font A) / 20 cpi (Font B)		16.4 cpi / 20 cpi	Slip: 13.3 cpi / 17.8 cpi	Receipt: 20.0 cpi / 15 .0 cpi Slip: 16.7 cpi / 12.5 cpi	Characters Per Inch
Interfaces*	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F			RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F		Interfaces*
Data buffer	4 KB	4 KB or 512 bytes	4 KB or 45 bytes	4 KB or 45 bytes		Data buffer
Print speed	Character: 14.3 lps, Graphic: 43 mm / sec. (Paper width 76mm, Economy, High speed mode)	Character: 14.7 lps (8 lines / inch) Graphic: 43 mm / sec. (76 mm width paper, Full columns print)	Receipt: 10.1 lps (at 42 columns) / 14.7 lps (at 51 columns) Slip: 4.9 lps (at 130 columns) / 7.3 lps (at 158 columns)	Receipt: Max. 170 mm / sec. Slip: Approx. 5.14 lps (at 40 columns, 17.8 cpi), E / P: Approx. 1.9 lps	Receipt: 120 mm / sec. (38 lps,1 / 8" conversion) Slip: 311 / 233 cps	Print speed
Paper – Dimensions (mm)	Receipt: 57.5 ± 0.5, 69.5 ± 0.5, 76 ± 0.5, 82.5 ± 0.5 Slip: 68 to 230 (W) x 68 to 297 (L) (min. 68 x 152) Endorsement: 68 to 101.6 (W) x 150 to 223 (L)	57.5 ± 0.5, 69.5 ± 0.5 76 ± 0.5, 82.5 ± 0.5	Receipt: 76 ± 0.5 x dia. 83.0 Slip: (W) 68 to 215.9 (L) 68 to 297.0	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0 Slip & E / P: 68 to 230 x 68 to 297 (W x L) NOTE: The minimum paper size is 68 x 152 mm	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L)	Dimensions (mm)
Paper – Thickness (mm)	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.2, Endorsement: 0.09 to 0.13	0.06 to 0.11	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.15	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.31, E / P: 0.09 to 0.2	Receipt: 0.06 to 0.07 Slip: 0.09 to 0.2 (total thickness: ~ 0.36)	Thickness (mm)
Copy capability	–			Slip: One original and three copies, E / P: One original single ply	Slip: One original and four copies	Copy capability
Inked ribbon	Ink Cartridge: Single color: SJIC8 (K) : Black (for TM-J7000 only) Two color: SJIC6 (K) : Black, SJIC7 (R) : Red, SJIC7 (B): Blue, SJIC7 (G): Green (for TM-J7100)	Ink Cartridge: SJIC5 (Black for TM-J2000) SJIC3 (Black for TM-J2100), SJIC4 (Red, Blue, Green for TM-J2100)	Ink Cartridge: SJIC1 (Black)	Slip: ERC-32 (Purple, Black), E / P: ERC-41 (Purple, Black)	ERC-31 (Purple, Black)	Inked ribbon
Ribbon Life (characters)	Ink Life: Single color: Approx. 20 x 10^6 Two color: Approx. 15 x 10^6 for 2 color cartridge	Ink Life: 24 x 10^6 (Mono) 17 x 10^6 (2 colors)	Ink Life:12 x 10^6	Slip: Purple: 6 x 10^6, Black: 4 x 10^6 E / P: Purple: 1 x 10^6, Black: 8 x 10^5	Purple: 7 x 10^6 , Black: 4.5 x 10^6	Ribbon Life (characters)
Power	24 VDC ± 10%		AC 85 V - 264.5 V(only for single phase)	24 VDC ± 10 %		Power
Power consumption	Printing: Approx. 0.5 A Stand-by: Approx. 70 mA	Approx. 1 A (Operating)	25 W (Operating)	Receipt: Approx. 1.8 A Slip: Approx. 1.7 A	Receipt: Approx. 1.7 A Slip: Approx. 1.9 A	Power consumption
D.K.D.function	2 drivers			2 drivers		D.K.D.function
Reliability – MTBF	18 x 10^4 hours			Receipt: 36 x 10^4 hours, Slip: 18 x 10^4 hours		MTBF
Reliability – MCBF	50 x 10^6 lines		37 x 10^6 lines	Receipt: 52 x 10^6 lines Slip: 18 x 10^6 lines	Receipt: 52 x 10^6 lines Slip: 29 x 10^6 lines	MCBF
Overall dimensions (mm)	195 (W) x 237 (D) x 188 (H)	195 (W) x 250 (D) (275 D with overhanging ledge) x 195 (H)	325 (W) x 300 (D) x 200 (H)	186 (W) x 298 (D) x 185 (H)	252 (W) x 331 (D) x 201 (H) (excluding extended table)	Overall dimensions (mm)
Mass (Approx.)	4.4 kg	4.7 kg	9.0 kg	5.8 kg	6.5 kg	Mass (Approx.)
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B			VCCI class A, FCC class A, CE marking, AS / NZS 3548	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	EMC standards
Power supply (option)	PS-180		Universal power supply is built in	PS-180		Power supply (option)
Factory Options	MICR device	–		MICR device, Endorsement Printer (E / P)	MICR device	Factory Options
Safety Standards	UL / CSA / TÜV (EN60950)			UL / CSA / TÜV (EN60950)		Safety Standards

*Interface: Dealer option: RS-485, USB, 10 Base T I/F, Please contact your EPSON representative lps: lines per second cpi: characters per 25.4 mm (character per inch) cps: characters per second

TM SERIES SPECIFICATIONS

TM SERIES SPECIFICATIONS

Item	Thermal Line Printer TM-T90	Thermal Line Printer TM-L90	Thermal Line Printer NEW TM-T88III	Thermal Line Printer TM-L60II	Impact Dot Matrix Printer TM-U950 / U925	Impact Dot Matrix Printer TM-U675	Item
Appearance							Appearance
Print method	Thermal line printing			Thermal line printing	9-pin, serial impact dot matrix		Print method
Print Font – Font	9 x 17 / 12 x 24			9 x 24 / 12 x 24	7 x 9 / 9 x 9	5 x 9 / 7 x 9	Font
Print Font – Column capacity (columns)	56 / 42	64 / 48	56 / 42	42 / 32 (Roll paper), 40 / 30 (Label)	U950: Receipt (Journal): 40 / 30, Slip: 88 / 66 U925: Receipt: 40 / 30, Slip: 88 / 66	Receipt: 37 / 50, Slip / Validation: 45 / 60	Column capacity (columns)
Print Font – Character size (mm)	1.3 (W) x 2.4 (H) / 1.7 (W) x 3.4 (H)	1.1 (W) x 2.1 (H) / 1.5 (W) x 3.0 (H)	0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H)	0.99 (W) x 3.39 (H) / 1.41 (W) x 3.39 (H)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	1.56 (W) x 3.1 (H) / 1.24 (W) x 3.1 (H)	Character size (mm)
Print Font – Character set	95 Alphanumeric, 37 International, 128 x 11 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417, Maxicode (L90 only), QRCode (L90 only)		95 Alphanumeric, 37 International, 128 x 8 Graphic Traditional / Simplified Chinese, Thai, Japanese, Korean Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR	95 Alphanumeric, 32 International, 128 x 7 Graphic Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR	95 Alphanumeric 32 International 128 x 9 Graphic (U950) 128 x 8 Graphic (U925)	95 Alphanumeric 37 International 128 x 12 Graphic	Character set
Print Font – Characters Per Inch	20.0 cpi / 15.0 cpi	22.6 cpi / 16.9 cpi	20.0 cpi / 15.0 cpi	20.0 cpi / 15.0 cpi	16.7 cpi / 12.5 cpi	13.3 cpi / 17.8 cpi	Characters Per Inch
Interfaces*	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F			RS-232, Bi-directional parallel	U950: RS-232, Bi-directional parallel U925: RS-232	RS-232, Bi-directional parallel RS-485, USB, 10 Base-T I/F	Interfaces*
Data buffer	4 KB or 45 bytes			4 KB or 45 bytes	2 KB or 32 bytes	4 KB or 45 bytes	Data buffer
Print speed	Max. 170 mm / sec.	Max. 150 mm / sec.		50 mm / sec. (12 lps with 1 / 6" paper feed)	311 / 233 cps	Approx. 5.14 lps (at 40 columns, 17.8 cpi)	Print speed
Paper – Dimensions (mm)	Roll paper: Max. 79.5 ± 0.5 (W) x dia. 102.0	Roll paper: Max. 79.5 ± 0.5 (W) x dia. 90 .0	Roll paper: 79.5 ± 0.5 (W) x dia. 83.0	Roll paper:60.0^{+0}_{-1} (W) x dia. 83.0 Label:$60.0^{+0.2}_{-0.5}$ (W) x dia. 83.0	U950: Receipt (Journal): Roll paper 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L) U925: Receipt: Roll paper 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L)	Roll paper:82.5 / 76.0 ± 0.5 (W) x dia. 83.0 Slip: 68 to 230 (W) x 68 to 297 (L) (min. 68 x 152) Validation: 68 to 230 (W) x 68 to 230 (L) (min.68 x 152)	Dimensions (mm)
Paper – Thickness (mm)	0.06 to 0.08	0.06 to 0.15	0.06 to 0.07	Label: 0.143 ± 0.015	U950: Receipt (Journal): 0.06 to 0.09, Slip: 0.09 to 0.36 U925: Receipt: 0.06 to 0.09, Slip: 0.09 to 0.36	Roll paper: 0.06 to 0.085 / sheet Slip: 0.09 to 0.2 (total thickness: 0.09 to 0.31)	Thickness (mm)
Copy capability	–			–	One original and four copies (for slip)	One original and two copies	Copy capability
Inked ribbon	–			–	ERC-31 (Purple)	ERC-32 (Purple, Black)	Inked ribbon
Ribbon Life (characters)	–			–	Purple: 7×10^6	Purple: 6×10^6, Black: 4×10^6	Ribbon Life (characters)
Power	24 VDC ± 7%			24 VDC ± 7%	24 VDC ± 10%		Power
Power consumption	Approx. 1.7 A (mean)		Approx. 1.8 A (mean)	Approx. 1.0 A (mean)	Approx. 1.8 A (mean)		Power consumption
D.K.D.function	2 drivers			2 drivers			D.K.D.function
Reliability – MTBF	36×10^4 hours			18×10^4 hours			MTBF
Reliability – MCBF	70×10^6 lines	70×10^6 lines (when printing receipt)	52×10^6 lines	29 x 10^6 lines (thermal paper) 12 x 10^6 lines (thermal label)	18×10^6 lines	37×10^6 lines	MCBF
Overall dimensions (mm)	140 (W) x 201 (D) x 148 (H)	140 (W) x 148 (D) x 203 (H)	145 (W) x 195 (D) x 148 (H)	123 (W) x 201 (D) x 124 (H)	U950: 251 (W) x 298 (D) x 194.5 (H) U925: 251 (W) x 298 (D) x 193.7 (H)	186 (W) x 298 (D) x 195 (H)	Overall dimensions (mm)
Mass (Approx.)	1.8 kg	1.9 kg	1.8 kg	0.8 kg	5.6 kg	5.8 kg	Mass (Approx.)
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B			VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B			EMC standards
Power supply (option)	PS-180			PS-180			Power supply (option)
Factory Options	–			–	MICR device	MICR device, Autocutter	Factory Options
Safety Standards	UL / CSA / TÜV (EN60950)			UL / CSA / TÜV (EN60950)			Safety Standards

*Interface: Dealer option: RS-485, USB, 10 Base T I/F, Please contact your EPSON representative lps: lines per second cpi: characters per 25.4 mm (character per inch) cps: characters per second

TM SERIES SPECIFICATIONS

TM SERIES SPECIFICATIONS

Item		Impact Dot Matrix Printer			Impact Dot Matrix Printer	Slip Printer		
		TM-U375	TM-U325	TM-U200 series	TM-U230	TM-U590	TM-U295	
Appearance								Appearance
Print method		9-pin, serial impact dot matrix			9-pin, serial impact dot matrix		7-pin, shuttle impact dot matrix	Print method
Print Font	Font	5 x 9 / 7 x 9	7 x 9 / 9 x 9		7 x 9 / 9 x 9		5 x 7 / 7 x 7	Font
	Column capacity (columns)	33 / 40	40 / 42 or 33 / 35 (3 half dots / 2 half dots space)	40 / 42 or 33 / 35	40 / 42 or 33 / 35	88 / 66	35 / 42	Column capacity (columns)
	Character size (mm)	1.6 (W) x 3.1 (H) /1.2 (W) x 3.1 (H)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)		1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H)	Character size (mm)
	Character set	95 Alphanumeric 32 International 128 x 9 Graphic	95 Alphanumeric 32 International 128 x 8 Graphic	95 Alphanumeric, 32 International 128 x 8 Graphic Traditional / Simplified Chinese, Thai, Japanese, Korean	95 Alphanumeric, 37 International 128 x 8 Graphic Traditional / Simplified Chinese	95 Alphanumeric 32 International 128 x 10 Graphic Simplified Chinese Japanese, Korean	95 Alphanumeric 32 International 128 x 3 Graphic	Character set
	Characters Per Inch	13.3 cpi / 16 cpi	16 or 17.8 cpi / 13.3 or 14.5 cpi	17.8 cpi / 16 cpi or 14.5 cpi / 13.3 cpi	16 or 17.8 cpi / 13.3 or 14.5 cpi	16.7 cpi / 12.5 cpi	13.5 cpi / 16.2 cpi	Characters Per Inch
								Print Font
Interfaces*		RS-232, Bi-directional parallel	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F		RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F		RS-232, Bi-directional parallel	Interfaces*
Data buffer		4 KB or 40 bytes	4 KB or 45 bytes	1 KB or 40 bytes	1 KB / 16 KB	4 KB or 69 bytes	512 bytes or 35 bytes	Data buffer
Print speed		3.5 lps (at 40 columns, 16 cpi) 5.4 lps (at 20 columns, 16 cpi)	Approx. 3.5 lps (at 40 columns,16 cpi) Approx. 6.4 lps (at 16 columns,16 cpi)		3.5 lps (at 40 columns,16 cpi) 6.4 lps (at 16 columns,16 cpi)	311 / 233 cps	2.1 lps	Print speed
Paper	Dimensions (mm)	Roll paper:76.0 ± 0.5 (W) x dia. 83.0 Slip:70 (W) x 160 (L) to 182 (W) x 257 (L) Validation:135 (W) x 70 (L) to 182 (W) x 257 (L)	Receipt:76.0 ± 0.5 (W) x dia. 83.0 Validation:135 (W) x 70 (L) to 182 (W) x 182 (L) (Maximum print lines: 9 lines)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0	70 (W) x 70 (L) to 210 (W) x 297 (L)	80 (W) x 69 (L) to 182 (W) x 257 (L)	Dimensions (mm)
	Thickness (mm)	Roll paper: 0.06 to 0.085 / sheet Slip: 0.09 to 0.12 (total thickness: 0.09 to 0.31)	Receipt: 0.06 to 0.085 (total thickness: 0.2 mm or less) Validation: 0.09 to 0.12 (total thickness: 0.09 to 0.31)	0.06 to 0.085	0.06 to 0.085	0.09 to 0.2 (total thickness: ~ 0.36)	0.09 to 0.25 (total thickness with copy: ~ 0.35)	Thickness (mm)
								Paper
Copy capability		Roll paper: One original and one copy Slip: One original and two copies	One original and two copies	A type: One original and two copies B type: One original and one copy D type: One original and two copies	One original	One original and four copies	One original and two copies	Copy capability
Inked ribbon		ERC-38 (Purple, Black)		ERC-38 (Purple, Black, Black / Red)	ERC-38 (Purple, Black, Black / Red)	ERC-31 (Purple, Black)	ERC-27 (Purple)	Inked ribbon
Ribbon Life (characters)		Purple: 4×10^6 , Black: 3×10^6		Purple: 4×10^6, Black: 3×10^6 B / R: 15×10^5 (Black), 75×10^4 (Red)	Purple: 4×10^6, Black: 3×10^6 B / R: 15×10^5 (Black), 75×10^4 (Red)	Purple: 7×10^6, Black: 4.5×10^6	15×10^5	Ribbon Life (characters)
Power		24 VDC ± 10%	AC adapter (included)		24 ~ 34 VDC	24 VDC ± 10%		Power
Power consumption		Approx. 1.4 A	Approx. 43 W		Approx. 43 W	Approx. 1.9 A (mean)	Approx. 600 mA (mean)	Power consumption
D.K.D.function		2 drivers			2 drivers			D.K.D.function
Reliability	MTBF	18×10^4 hours			18×10^4 hours			MTBF
	MCBF	18×10^6 lines	49×10^6 lines	18×10^6 lines	18×10^6 lines	29×10^6 lines	7×10^6 lines	MCBF
								Reliability
Overall dimensions (mm)		186 (W) x 327 (D) x 145 (H)	164 (W) x 240 (D) x 136 (H)	A type: 160 (W) x 295 (D) x 160 (H) B type: 160 (W) x 248 (D) x 150 (H) D type: 160 (W) x 248 (D) x 133 (H)	166 (W) x 168 (D) x 259.5 (H)	252 (W) x 266 (D) x 185 (H)	180 (W) x 190.5 (D) x 101.5 (H)	Overall dimensions (mm)
Mass (Approx.)		4 kg	2.3 kg	A type / B type: 2.5kg, D type: 2.2kg	2.7 kg	5 kg	1.6 kg	Mass (Approx.)
EMC standards		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	FCC class A	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B			EMC standards
Power supply (option)		PS - 180	Exclusive AC adapter (included)		Power supply built-in model / Power supply separate model	PS - 180		Power supply (option)
Factory Options		–		Near - end sensor	–			Factory Options
Safety Standards		UL / CSA / TÜV (EN60950)	UL / CSA	UL / CSA / TÜV (EN60950)	UL / CSA / TÜV (EN60950)			Safety Standards

*Interface: Dealer option: RS-485, USB, 10 Base T I/F, Please contact your EPSON representative lps: lines per second cpi: characters per 25.4 mm (character per inch) cps: characters per second

DM-D Series

Clear, Easy-to-Read Display

ESPON DM Series displays provide customers with exceptionally clear, easy-to-read indications at a comfortable height and viewing angle.
They are also ready to provide graphic displays as well as text.
And compliance with safety standards worldwide means they can be used virtually anywhere.
Additional valuable features include an extensive font table, direct connection to any terminal, and ESC/POS® control commands for easy downloading of user-defined characters.

Customer Display

DM-D500

256 x 64 Dot Matrix Display
Provides clear, easy-to-read display of up to 8 lines of text. Up-down. left/right adjustability of indications assures optimum viewing angle.

Graphic Display
The DM-D500 can also display pictures and illustrations, an ideal feature for advertising and when running a campaign. Vertical and horizontal scrolling of both text and graphics is also possible.

A Choice Of Stands
Five types of stands are available to meet different application needs.

• OPTIONS •

POWER SUPPLY

PS-180
INPUT: 100~240V AC
OUTPUT: 24 VDC, 2.0 A
Plug: 3P Power jack
Safety standards: UL, CSA, TÜV

POLE UNIT

DP-105
254 (H) x dia. 35mm

DM-D100 Series

Small & Easy-To-Read
Panel and height adjustment possible with optional support.
Ideal for restaurants and specialty stores.

Direct Connection
It's easy to connect a DM Series display to an EPSON TM or IR / SR Series POS unit. You can also connect directly to your current host terminal (serial port with a 12V power supply required) for expanded system flexibility.

DM-D200 Series

Client-Friendly
Offers large, easy-to-read, 20-column, 2-line indications.
Up/down, left/right adjustable display panel assures optimum viewing angle.

Compact Designs
Easy-to-read, 20-column, 2-line dot matrix displays for use with EPSON TM Series printers.

SPECIFICATIONS

	DM-D500	DM-D100 Series	DM-D200 Series
Display method / Color	Vacuum fluorescent display / Green (505 mm)	Vacuum fluorescent display / Green (505 mm)	
Number of characters	Max. 336 (42 columns x 8 lines)	40 (20 columns x 2 lines)	
Brightness	300 cd / m^2	690 cd / m^2	700 cd / m^2
Character type	95 Alphanumeric characters / 37 International characters Graphic characters: 128 x 12 pages, Kanji characters	95 Alphanumeric characters / 37 International characters Graphic characters: 128 x 12 pages	
Character font	5 x 7 dot matrix, 8 x 16, 16 x 16 dot matrix	5 x 7 dot matrix, cursor	5 x 7 dot matrix, comma, decimal point, annunciator
Character size / pitch	—	3.5 x 5.0 mm / 5.2 mm	6.5 x 11.3 mm / 9.9 mm
Reliability	MTBF 30,000 hours	MTBF 20,000 hours	
Power / current consumption	11.4-48 VDC / Approx. 6W		
Overall dimensions Panel	213 (W) x 51 (D) x 83 (H) mm	165 (W) x 50.5 (D) x 69 (H) mm	260 (W) x 40 (D) x 83 (H) mm
Viewing angle	Max. 48° (5 positions)	Max. 48° (5 positions)	Max. 36° (4 positions)
Horizontal rotation	Max. 90°		Max. 330°
Case color	ECW (EPSON Cool White), EDG (EPSON Dark Gray)		
EMC standards	VCCI class A, FCC class A, CE marking		
Safety standards	UL / CSA / TÜV (EN 60950)		
Power supply	PS-180 / Supplied by a TM printer or IM-310		